

FIGURE 1

SINGLE MEDIA

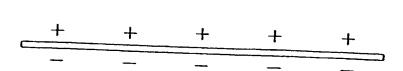
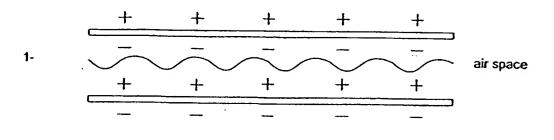


FIGURE 2

4.1

DOUBLE LAYER MEDIA



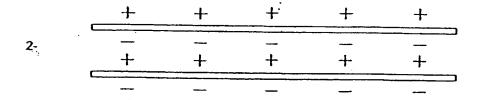
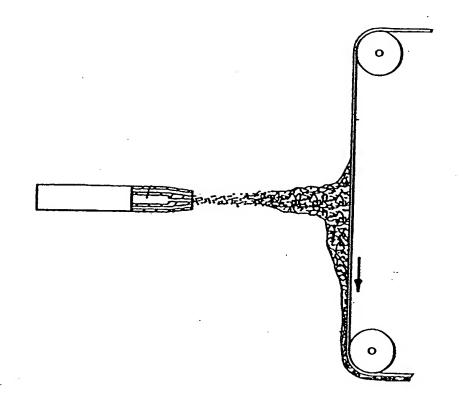


FIGURE 3

10/528005



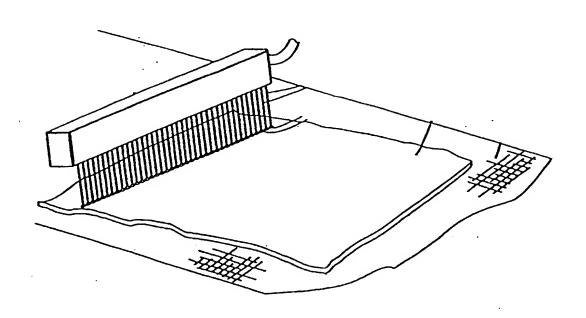


FIGURE 4

135

10/528005

EXHIBIT A

Experiment No AF276: Biocidal air filtration membrane project: Performance of different filtration membrane against BG spores for 30, 60, 120, 180, 240, 300 and 360 minutes of filtration

ВG

			30 min 7.5 LPM
	סר	CFU total	% Reduction
2M03-01-75C+	19.5	0.00€+00	100.00000%
2M03-01-75C+	21.5	0.00€+00	100.00000%
Transweb	17.5	1.75E+01	99.99471%
C+	21.5	3.31E+05	0.00000%
			вс
			120 min
			7.5 LPM
	DL	CFU total	% Reduction
2M03-01-75C+	12.5	0.00€+00	100.00000%
2M03-01-75C+	19.0	0.00E+00	100.00000%
Transweb	6.5	1.30E+01	99.99496%
C+	16.0	2.58E+05	0.00000%
			ВС
			240 min
			7.5 LPM
	ρĹ	CFU total	% Reduction
2M03-01-75C+	19.0	0.00E+00	.100.00000%
2M03-01-75C+	16.0	0.00€+00	100.00000%
Transweb	11.0	0.00E+00	100.00000%
C+	13.0	4.21E+06	0.00000%

			BG
			300 mln
			7.5 LPM
	בר	CFU total	% Reduction
2M03-01-75C+	13.5	2.70E+01	99.99884%
2M03-01-75C+	16.0	0.00E+00	100.00000%
Transweb	9.0	0.00E+00	100.00000%
C+	9.0	2.32E+06	0.00000%

			BG
			180 mln
			7.5 LPM
	힏	CFU total	% Reduction
2M03-01-75C+	16.0	3.20€+01	99.99924%
2M03-01-75C+	17.0	0.00E+00	100.00000%
Transweb	15.0	0.00E+00	100.00000%
C+	18.5	4.20E+06	0.00000%

	Γ		G.
			60 min
			7.5 LPM
0	ר	CFU total	% Reduction
2M03-01-75C+ 21.0	Ц	0.00E+00	100.00000%
2M03-01-75C+ 20	20.5	0.00€+00	100.00000%
Transweb 20.0		0.00E+00	100.00000%
C+ 18	18.5	1.49E+06	0.00000%

for 30, 60, 120, 180, 240, 300 and 360 minutes of filtration Performance of different filtration membrane against BG spores Experiment No AF276: Blocidal air filtration membrane project:

tic charge	Non-woven + Triosyn + Electrostatic charge	Non-woven		2M03-01-75C+
· o				
o 0				
<u></u>	0.00000%	6.20E+06	11.0	C+
z	100.00000%	0.00E+00	14.0	Transweb
<u>≥</u> .	99.99923%	4.80E+01	16.0	2M03-01-75C+
рг	100.00000%	0.00€+00	9.0	2M03-01-75C+
ì	% Reduction	CFU total	סנ	
>	7.5 LPM	7		
Ω	360 min			
ш	BG			

Transweb

Detection Level

Electrostatic non-woven without Triosyn

For BG tests

Challenge microorganism: BG

6 jets Modified Collision

Aerosol generated by:

Filtration time: 30 minutes Nebulizer air flow: 40 PSI

Collection fluid: 5 ml of PBS with 0.001% antifoam A

Sampling on TSA

pre-vaporisation: 30 min Air flow velocity: 7.5 LPM

Nebulizer

EXHIBIT B

Biocidal air filtration membrane project:
Performance of different filtration membrane against MS2 viruses for 60, 120, 180, 240, 300 and 360 minutes of filtration

			MS2
		1	120 mln
		7.	7.5 LPM
	DL	PFU total	% Reduction
2M03-01-92C+	4.0	0.00E+00	100.00000%
Transweb	2.2	1.76E+03	99.08808%
C+	4.1	1.93E+05	0.00000%
			MS2
		2,	240 min
		7.	7.5 LPM
	סר	PFU total	% Reduction
2M03-01-92C+	3.9	0.00E+00	100.00000%
Transweb	3.9	8.34E+04	99.01882%
C+	3.9	8.50E+06	0.00000%

C+ 4	Transweb 3	2M03-01-92C+ 4					C+ 3	Transweb 3	2M03-01-92C+ 4				
4.2	3.9	4.1	몬				3.6	3.5	4.0	۶			
1.35E+07	4.79E+05	0.00€+00	PFU total	7.	30		7.20E+06	4.23E+03	0.00E+00	PFU total	7.	18	
0.00000%	96.45185%	100.00000%	% Reduction	7.5 LPM	300 min	MS2	0.00000%	99.94125%	100.00000%	% Reduction	7.5 LPM	180 mln	MS2

0.00000%	1.20E+06	4.0	C+
99.89250%	1.29E+03	4.3	Transweb
100.00000%	0.00E+00	4.2	2M03-01-92C+
% Reduction	PFU total	ը	
.5 LPM	7.	•	
60 mln	6		
MS2			

EXHIBIT B

for 60, 120, 180, 240, 300 and 360 minutes of filtration Performance of different filtration membrane against MS2 viruses Biocidal air filtration membrane project:

			MS2
		3	360 min
		7	7.5 LPM
	힏	PFU total	% Reduction
2M03-01-92C+	3.8	0.00E+00	100.00000%
Transweb	3.9	4.62E+05	97.47541%
C+	3.9	1.83E+07	0.00000%

For MS2 tests

Challenge microorganism: MS2

6 Jets Modified Collision Nebulizer

Aerosol generated by:

pre-vaporisation: 30 min

Nebulizer air flow: 40 PSI Air flow velocity: 7.5 LPM

Collection fluid: 5 ml of PBS with 0.001% antifoam A Filtration time: 30 min, 1, 2, 3, 4, 5 and 6 hours

Sampling on MS2 media by single layer soft agar

Transweb 2M03-01-92C+

Non woven + Triosyn + Electrostatic Charge Electrostatic Non Woven without Triosyn

Detection Level

M03-01-69-C+ Transweb

Detection Level

Non woven + Triosyn + Electrostatic Charge Electrostatic non-woven without Triosyn

10/528005

EXHIBIT B

Experiment No AF270: Biocidal air filtration membrane project: Performance of different filtration membrane against MS2 virus for 30 minutes of filtration

			MS2
		ta.	30 min
		7.	7.5 LPM
	פר	PFU total	% Reduction
M03-01-69-C+	4.3	0.00E+00	100.00000%
M03-01-81-C+	4.2	0.00E+00	100.00000%
Transweb	4.0	2.48E+02	99.99757%
C+	3.9	1.02E+07	0.00000%

For MS2 tests

Challenge microorganism: MS2

Aerosol generated by: 6 jets Modified Collision

pre-vaporisation: 30 min

Air flow velocity: 7.5 LPM Nebulizer air flow: 40 PSI

Filtration time: 30 minutes

Collection fluid: 5 ml of PBS with 0.001% antifoam A Sampling on MS2 media by single layer soft agar

9/9